

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Dick G0BPS <dick@kanga.demon.co.uk>  
Subject: [449] Crystals wanted  
Message-ID: <222@kanga.demon.co.uk>

Hi gang,  
Its been a while since I posted anything here. Glad its still going.

I am looking for some crystals on a frequency about 16.7MHz  
any ideas of a supplier?

Many thanks de Dick  
--

\*\*\*\*\*  
\* Dick G0BPS / G0ROO KANGA PRODUCTS \*  
\* The UKs biggest supplier of great \*  
\* QRP kits and simple test equipment \*  
\* \*  
\*\*\*\*\*

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: PB13128@deere.com  
Subject: [455] DOCUMENT 11/23/95 22:09:03  
Message-ID: <DACDXX21.PB13128.670409220095327FDACDXX21@TCP30.DX.DEERE.COM>

23 November

Subject: 22 November Fox Hunt--Fox's Response

From: Pete, NN9K (pb13128@deere.com)

Norm, K2NF, brought forth some interesting observations and questions that  
deserve a response:

>From Norm:  
>Secondly, I was looking at Pete's report and noticed that all  
>his contacts were to the east, southeast, and south of  
>his location in Illinois. There are no reported contacts

>to the west and southwest, areas we normally see  
>represented quite well.

>This brings up the questions:

- > 1. Was there no propagation in those directions?
- > 2. What type of antenna is Pete using (Is it directional)?
- > 3. Were no stations active in the uncontacted directions?
- > 4. Does Pete just like eastern and southern stations better?

>Thought this was interesting and might provoke responses  
>from others, especially to the west and southwest.

>(BTW, I think number four is the correct answer! :-)

I'll try to answer all of the questions but first a little background. During the summer I have been evaluating a 5 band trap vertical that I have installed on a brand new 35 foot tower. The vertical was installed with radials and tuned so that on any band the SWR was 1.3:1 or less for the frequencies I was interested in using. It worked very, very well. I left for a 6 week trip to Australia on 01 October. On 02 October the wind folded the vertical over! On 12 November, a couple of days after I returned home, I reinstalled the vertical only to find a 30 to 40 over power line noise level. The power company confirmed the problem and there was a work order written for repair. On 19 November the vertical folded over again due to high winds, 50+ MPH, and faulty aluminum tubing. So the vertical was removed again, but the work order had not been completed by the power company so it was on to plan B. Moved my Icom 735, key, DSP filter and other stuff to a friends house on the evening of the 20th. Put everything together and attached it to his Alpha Delta whatever model antenna and listened to 40 meters for a few hours. Was hearing NE, E, SE, SW, W and NW so I felt everything was as much under control as possible. Then came the night of the fox hunt. Propagation was the pits, at least in my estimation. (Remember the 9th call area is called the BLACK HOLE). Can't tell you if there were stations active in the uncontacted areas--if they were active I didn't hear them. And I don't have a preference for the East or Southeast.

So that's pretty much the story behind my night as the fox. I would like to complement WD4MPS because we finished our QSO in the middle of the QRM referenced in another post--we just listened between the dits! Oh the vertical stays down and a tried and true inverted L goes back up.

Tomorrow the antenna project is installing 4 full size slopers to be used for the ARRL 160 meter contest that takes place the 1st weekend of December. I will be NN9K/0 in Iowa operating QRP for the test, hope to see some of you on 160.

Hope everyone had a good Thanksgiving.

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: HMerschrod@aol.com  
Subject: [445] HAPPY THANKSGIVING  
Message-ID: <951123115818\_114763220@mail02.mail.aol.com>

GREETINGS TO ALL

May it be a cheerful day for you all and for your friends and family,

Kris  
OA4DB0 at Connecticut

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: David Speegle <dspeegle@dialin.ind.net>  
Subject: [452] Happy Thanksgiving!  
Message-ID: <Pine.SUN.3.91.951123144752.29255C-100000@dialin.ind.net>

Happy Thanksgiving to everyone on the list! Dave Speegle NE9F/ AFA1XG AKA  
Knobs, Bucko, and Forest Gump

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=====
| David Speegle           Email Alias: David.Speegle@dialin.ind.net
|
|
| 311 S West St.
|
| Argos, IN    46511
| Phone: 219.546.3848    FAX:
=====
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From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: "Richard Hieber" <SZ0026@daphne.rrze.uni-erlangen.de>  
Subject: [444] No auto power off  
Message-ID: <62EF28368CB@daphne.rrze.uni-erlangen.de>

Gang,

a few weeks ago I decided to treat myself to a NorCal40A plus KC-1 keyer-counter. I knew that, being in Germany, the financial transfer could be difficult, but I sent the order form in anyway, giving my credit card info and inquiring about other ways to arrange the payment in case this doesn't work.

Bob from Wilderness wrote a kind letter back, saying that his business at this point isn't set up yet to accept credit cards. He made a few other suggestions though. I let this sit for a while. A few days ago I received a postcard from him pointing me to the possibility of sending American Express Traveller Checks via snail mail. I want to either do that or even risk sending banknotes. But now I don't have any information anymore about what the precise sum of money for a Norcal40A plus KC-1 was, plus shipping to an address abroad. The price info was on the order form that I had sent to Bob. Bummer! I seem to remember \$190, but I am not sure at all. Can anyone confirm this?

On a different rig, I'd like to know if anyone of you QRP+ owners out there can tell me how the auto power off function of this rig is supposed to work? I operated with a small battery and was wondering why I didn't make any contacts. Finally I reached for the DMM and measured the voltage of the battery when I was keying. Heck! - it was down to eight or nine volts! Shouldn't the rig shut off completely when the voltage drops below 11 volts?

I tested it with a variable voltage power supply and could drop the voltage to about six volts (from memory) until random segments of the display disappeared. Scary!

I don't mean to ring an alarm bell here - just want to know. If I apply the right voltage, the rig works really well.

72,

Richard

--

Richard Hieber, DL8MFQ/AA8CP  
sz0026@daphne.rrze.uni-erlangen.de

From qrp-l@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Steve <kg7pv@teleport.com>  
Subject: [456] No Smoke!  
Message-ID: <199511240607.WAA13242@desiree.teleport.com>

It sure is great, no smoke! Just finished my OHR Spirit II 30 meter rig (from the group buy). Worked from the first shot of 12V. Have done first run through of the alignment and getting

4.5 watts out from the 12 V gell cell  
and 5.5 watts from the 13.8 V pwr supply sitting on the desk. Nary a signal  
heard on the band so used the Icom to align the receiver. Fairly simple  
alignment and didn't take as long to build as I initially thought. Kit is  
first class all the way with each board (there are 3) having its own bag of  
parts. Instructions are step by step and very detailed.  
Of course with OHR there are no coils to wind - they come prewound. Makes  
me feel like I cheated a bit! Total time to build was around 12 - 15 hours,  
thats an evening or two for each of the three boards ( the osc board only  
took an hour) and a couple of evenings for the chassis and point to point  
wiring with an hour or so for the first alignment. Sure hope someone is on  
30 tomorrow!!  
73  
Steve KG7PV  
Norcal # 308

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: David Speegle <dspeegle@dialin.ind.net>  
Subject: [459] OHR Spirit II!  
Message-ID: <Pine.SUN.3.91.951124070906.14559B-100000@dialin.ind.net>

Who sells the OHR Spirit II, and how much does it normally cost?

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=====
| David Speegle           Email Alias: David.Speegle@dialin.ind.net
|
|
| 311 S West St.
|
| Argos, IN    46511
| Phone: 219.546.3848    FAX:
=====
```

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: David Speegle <dspeegle@dialin.ind.net>  
Subject: [458] Thank You!  
Message-ID: <Pine.SUN.3.91.951124010748.19712B-100000@dialin.ind.net>

Thanks for your help with my QRP address problem. I really appreciate it.  
Now that Thanksgiving is over the Christmas rush or race will begin in a  
few hours. Please be safe we dont want to lose anyone on the list. You  
are a great bunch of people. Thanks again! Dave NE9F/AFA1XG AKA Knobs,

Bucko, and Forest Gump

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=====
| David Speegle           Email Alias: David.Speegle@dialin.ind.net
|
|
| 311 S West St.
|
| Argos, IN 46511
| Phone: 219.546.3848 FAX:
=====
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From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: RobCap@aol.com  
Subject: [461] The Green Mountain 20 Lives  
Message-ID: <951124083918\_88277259@emout04.mail.aol.com>

Dave-

The Green Mountain 20 came up like a champ. Went from the smoke test to complete alignment in about 15 minutes.

It was very easy to align the GM-20. I peaked up the oscillator signal as received in my adjacent FT-1000, which was about S-1 without a sensing antenna. I peaked up the receiver by ear. It was late at night and 20 was dead, so I peaked up the atmospheric noise, which worked fine. I aligned the transmitter by tuning for max power into my Oak Hills QRP wattmeter.

First impressions. The rig puts out 2.5 watts. The receiver sounds very clean with no detection of the unwanted sideband. Audio out easily drives a four-inch speaker.

Tonight I'm going to install the radio in its home-made enclosure, and interface a KC-1 freq counter/keyer, built-in paddles, and an S-meter.

The GM-20 is a lot of fun, and a lot of radio for 72 bucks.

I'll contact you in a few days with more operating data.

73,

Rob, WA3ULH

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: ae4ic@nr.infi.net (BOB KELLOGG)  
Subject: [451] transistor specs  
Message-ID: <199511231838.NAA00721@moe.infi.net>

gang:

I need a good reference book or books which includes specs on the transistors we commonly use on qrp/ham projects. Can anyone give me recommendations and/or a source?

Thanks.

Bob Kellogg  
Bob Kellogg, AE4IC

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: k8dd@tir.com (k8dd)  
Subject: [450] TS-50S  
Message-ID: <9511231746.AC23002@sun>

The January 1994 QRP Quarterly page 12 has two articles on the TS-50S and QRP....If anyone needs the information, I can type up the necessary stuff to adjust the 10 watt level down to less than 5 watts....Mine is running 950 mw +/- 5 mw and holds steady from band to band.

73      Hank      K8DD  
\*/  
\*/              Hank Kohl   K8DD              k8dd@tir.com  
\*/              MI-QRP   QRP-ARCI   G-QRP   NorCal  
\*/              ARRL/LM   QCWA/LM   QCAO/LM  
\*/

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Jim Stafford-W4QO <w4qo@america.net>  
Subject: [457] WTB: Cheap 40M crystals & FT243 sockets  
Message-ID: <Pine.SV4.3.91.951123235826.3908J-100000@atl1>

For a club project, we are planning to build a simple 40M transmitter. I note from Mouser that the computer crystals so common on 80M, are not to be found in the 40M band. Any ideas? I see one \$1.24 crystal for 7.159

Mhz. Sure wish that was at least in the Novice band. They also have a 7.0 Mhz (even) crystal, but thats it. Need about 50 to 100 preferably on 7.040 or 7.110 but anywhere in the Novice/General band would be OK.

On a related note, I have not been able to find sockets for FT-243 crystals. I know about using an octal tube socket cause that's what my Johnson rigs have, for example. But I am looking for the single phenolic socket and have searched hi and lo with no luck. Any ideas? One cad suggested that I buy old DX-40s at hamfests for \$5 bux. They had 3 in the back - throw the rest away. Of course, I don't see them for \$5 very often anyway.

73/72/jim/w4qo

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Phil Wheeler <pcw@netcom.com>  
Subject: Re: digest

My sympathies, Tim. I guess there is a lot of stuff hung across that DC line, so you get to do a lot of unsoldering to check everything. I suppose you've already looked for the loose bit of solder across a trace; in fact, I think you covered that in an earlier msg. YOu may also want to look at the top of the board to see if some component is bent so its leads are hitting some grounded point -- a long shot, to be sure, but.....

I had a tough nut when I built my OHR-400. AGC didn't seem to work and the receiver did not seem adequately sensitive; but all this was very subjective. So I sent it to Dick to take a look at (especially since it was one of the first 10 or so). It turned out that I had missed soldering ONE end of ONE diode in the TR swich area. The result was significant loss of signal on receive (only). My guess is that I would never found it on my own. From this experience, you may want to ask another (local to you) ham to look at the board; he might see something you miss due to looking at it for so long.

Good luck!

Phil (pcw@netcom.com)

On Wed, 22 Nov 1995, Tim Stabler wrote:

> Was there a digest for Wednesday?? I never got it.

>

> Again, thanks to those who sent me messages about my Explorer. I



> know the short is on the board. Dick felt it was between the 12 volt  
> line and ground. I, after hours of looking at the board, can find no  
> shorts (bridges) so am beginning to suspect the electrolytics. They  
> all are in correctly. I have the stuff here in my office at school  
> and am going home now. But on Friday, when you are all shopping, the  
> wife will be on this computer typing a paper for nursing and I will  
> be at my table looking at capacitors. I will get this thing done  
> yet!!  
>  
> 72 de Tim WB9NLZ  
>  
>

From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Phil Wheeler <pcw@netcom.com>  
Subject: [448] Re: digest (fwd)  
Message-ID: <Pine.3.89.9511230931.A28754-01000000@netcom9>

Tim, sent this first to your email address. Did not get delivered for  
some reason, so here it is again on the list.

Phil (pcw@netcom.com)

----- Forwarded message -----  
From qrp-1@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Phil Wheeler <pcw@netcom.com>  
Subject: [447] Re: N7MFB's Internet Adr.  
Message-ID: <Pine.3.89.9511230912.A27537-01000000@netcom9>

Bill, let us all know how that works out. I'm particularly interested in  
the thrupt issue (packet radio vs. landline). I've thought about  
setting up on TCP/IP -- and have a spare TNC, rig and computer to do it  
with. But I really have not been very motivated. YOU MAY have given me  
a motive!

Hey guys -- I'll run 5 watts on TCP/IP to make it qrp (so this message  
is appropriate for qrp-1) <Grin>.

Phil (pcw@netcom.com)  
aka w6tuh

On Thu, 23 Nov 1995 n7mfb@cosi.n7lol.ampr.org wrote:

> Hello gang!  
> I have been privledged to read the mail here over the past 6 months

> primarily because of Brian (KV9X)'s efforts as Sysop of the NW QRP  
> Club Web Page. Can you believe that every week (like clock-work),  
> Brian calls the NW QRP land-line BBS and uploads the complete QRP-L  
> message "database." I mean EVERY week (wow...).  
> Finally, I will have my own TCP/IP station set up this weekend (if  
> all goes well that is) - and I will then be able to not only read  
> the mail here but also be able to upload messages as well. To me,  
> that's like trading in my Pinto for a Mustang.  
> My new address, for those who wish to send messages to me will be:  
> n7mfb@n7mfb.ampr.org  
> Now I know that you most of you who are long time Internet experts,  
> this is no big deal...but to me, it's great!  
> CUL, and happy QRPing to all.  
> Bill - N7MFB  
> NW QRP Club  
>  
>

From qrp-l@lehigh.edu Fri Nov 24 14:48:00 1995  
From: Phil Wheeler <pcw@netcom.com>  
Subject: [446] Re: QRP from TS-50S  
Message-ID: <Pine.3.89.9511230928.A27537-0100000@netcom9>

Thanks, Bob. As it happens, I have the QRZ CD-ROM. So I will look there first. If I don't get it that way, I will get back to you.

I don't believe the manual has info on the adjustment -- but I will look again. I'm sure the service manual would, and that (buying one) may be my final resort.

Phil (pcw@netcom.com)  
aka w6tuh

From qrp-l@lehigh.edu Fri Nov 24 14:48:00 1995  
From: cebik@UTKVBX.UTCC.UTK.EDU  
Subject: [460] Re: Thanksgiving  
Message-ID: <Pine.PMDF.3.91.951124073107.543655214D-100000@utkvx.utk.edu>

On Wed, 22 Nov 1995 N5EM@aol.com wrote:

> In a message dated 95-11-22 10:52:47 EST, LB wrote:  
>  
> >However, while all that is digesting tomorrow, the bands should be full  
> >of both chickadees (QRP) and turkeys (QRO),

>  
> I see a Tee shirt out of all this :-)  
>  
> 72  
> Ed  
>  
Ed,

I had not thought of that. Wonder if some of our artist members could generate a design. In fact, I am also wondering if the chickadee should be the "official" QRP mascot. The bird is always on the air, calling for contact with fellow chickadees. Full of energy, always on the move, always scouting for slightly better operating room (although it is looking for a meal in that space). Chickadees are fairly universal, although they come in slightly different sizes, shapes, and colorations, from the very northern arboreal to the slightly northern black-capped, to the southern Carolina variety, with more world wide. Short of the hummingbird, who is too silent to be a symbol of QRP, the chickadee is ultra efficient, using every micro-ounce of energy for the task at hand, with absolutely minimal waste. Apparently, they even change brain cells seasonally so as not to waste space and weight on mating brain cells in winter when they need all their thoughts on food. The chickadee is friendly, even known to perch on fingers for a seed. Also gregarious, inventive, persistent. And afraid of none of the bigger birds, because the chickadee has confidence that his/her skills will get him/her through a wall of raptors.

Sounds sort of like the folks on QRP-L.

As for a QRO mascot, perhaps we need a contest. Besides the turkey, there is the vulture as a candidate. Wonder how many others.

-73-  
LB, W4RNL

From qrp-l@lehigh.edu Fri Nov 24 14:48:00 1995  
From: H Smith <hbs@crl.com>  
Subject: [454] Re: TS-50S  
Message-ID: <Pine.SUN.3.91.951123190832.27800B-100000@crl10.crl.com>

Here's the mod:

If you check the schematics, you will see on the TX/RX board two potentiometers to set the Low 10 watt (pot VR15) and Medium 50 watt (pot VR16) power levels. The high power level is fixed at 100 watts by

resistor R214. We want to get to VR15 and set it for 5 watts. Note that VR15 and VR16 are not interactive. Changing the low power setting does not change the medium (or hi) power setting and vice versa.

First remove the top cover, set aside the speaker and remove the latched speaker bracket (gives you better operating room).

Locate two teeny-weeny pots next to the IF filter module in the middle of the TX/RX board. The pot closest to the front panel is VR15 (low power adjust) and the one closest to the back of the rig is VR16 (medium power adjust). The pots are somewhat marked on the PC board.

Kenwood sez that their automatic antenna tuner needs 10 watts to actuate so this adjustment may affect the AT operation.

The rig will draw about 4 Amps at 5 watts.

Smitty, NA5K

Henry Smith (hbs@crl.com)